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Vladimir Mikhailovich Zhukovsky

Vladimir Mikhailovich Zhukovsky was born on 13 may 1931 in the town of Spas-Demensk, Kaluga region. He finished school in the Urals, and then entered the first set of physical-technical faculty of UPI (Sverdlovsk), which he graduated in 1955, and in 1962 he was postgraduate student of the Ural Polytechnic Institute (UPI). He started Engineering activities in the nuclear industry at the oldest Russian radiochemical plant. In 1957 he entered into one of the first groups of the liquidators.

From 1963 his work was related to the chemical faculty of the Ural State University, where he passed the way from a candidate of sciences, associate professor to the doctor of chemical sciences, professor. During the 4 years he was the dean of the chemical faculty, during 11 years he was the pro-rector for scientific work, during 15 years old he was the Head department of analytical chemistry. Zhukovsky V. M. developed and or the first time read the courses in the field of physical chemistry, chemical, statistical and nonequilibrium thermodynamics, physical chemistry and technology of solids, crystal chemistry, chemical metrology and analytical control, standardization and certification.

For the conception of teaching of the natural sciences to the humanities, V. M. Zhukovskiy in the team of authors was awarded the winner of the prize of the President of the Russian Federation of 2000 in the field of education.

The extensive scientific school and the academic specialization in solid state chemistry has established by Vladimir Mikhailovich in the Ural University. It was started in the mid 60th of XX century, when the Department of physical chemistry of the Ural State University has been active in scientific terms, a creative team of researchers. The students, and since the mid 60-ies and the first graduate students – A. N. Petrov, T. M. Yanushkevich, S. F. Wexler, N. A. Veselova were involved in the scientific research.

In 1964 the first graduation works on the physical chemistry of solids were protected, and in 1965 the first experimental setup of thermal and thermogravimetric analysis were created. In the 70th number studied in the group of oxide materials significantly increased – from traditional to the molybdates and tungstates of alkaline earth metals are added ferrites, niobates, vanadates, as well as the manganites, cobaltites, nicelty and cuprite of the rare earth elements and of the alkaline-earth elements. Currently all of these lines of research are continued by his disciples, and the disciples of his disciples. In fact, in three of the five departments of the chemical faculty of the Institute of natural Sciences (analytical chemistry, physical chemistry, inorganic chemistry) of Ural Federal University the researches successfully conducted, undergraduate and graduate students in the field of chemistry of solids continued.

For more than 50 years of history, Zhukovsky V. M. together with the staff made fundamental studies of the thermodynamic and structural characteristics of oxide materials, made a significant contribution to the development of experimental and theoretical approaches to the description of transport and electrical properties of individual chemical compounds and solid solutions. Within the framework of the scientific school 10 doctors of Sciences and, more than 60 candidates of science were prepared. Vladimir Mikhailovich, his colleagues and students always support the creative scientific contacts with institutes of the RAS and a number of leading universities in the field of solid state chemistry in Russia and abroad.

Vladimir Mikhailovich was the inspirer and permanent head of the visiting Winter school on solid state chemistry, traditional and well-known far beyond the Department of chemistry. In 2016 XXV anniversary, the School dedicated to his memory will be held.

Vladimir Mikhailovich was the shine lecturer, a renowned scholar and Teacher with a capital letter, deservedly earned the love and respect of others. His rich spiritual world, humanity, the desire to understand and help, the ability to interact on equal terms with young and venerable scientists, comprehensive erudition, scholarly integrity and openness always will be remembered by all who were lucky enough to be in touch with him on his life journey.

This edition of the magazine, which included articles by renowned experts in the field of solid state chemistry from Yekaterinburg, Novosibirsk, Ulan-Ude and St. Petersburg, is dedicated to the memory of Vladimir Mikhailovich Zhukovsky, which remains an example for us in science and life.